**ATHARVA EDUCATIONAL TRUST'S**

**ATHARVA COLLEGE OF ENGINEERING**

**(Approved by AICTE, Recognized by Government of Maharashtra**

* **Affiliated to University of Mumbai )**

**Department of Computer Engineering**

**Academic Year 2017-18**

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| **BE : Project Abstract** | | **27 July 2017** |
| **Group Number:​**​**21** | |  |
| **Priority :** | |  |
| **Project Title ​Heartbeat Sensing using Signal and Image Processing** | | |
| **Group Members:** | |  |
|  | |  |
| **Roll No.** |  | **Name** |
| 55 |  | Apurva Parulekar |
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| 49 |  | Nayan Ashutosh Naik |

**Abstract**

Android based Home Door Locks Application via Bluetooth project discusses about an ongoing project that serves the needs of people with physical disabilities at home. It uses the Bluetooth technology to establish communication between user's Smartphone and controller board. The prototype support manual controlling and microcontroller controlling to lock and unlock home door. By connecting the circuit with a relay board and connection to the Arduino controller board it can be controlled by a Bluetooth available to provide remote access from tablet or smartphone. This project addresses the development and the functionality of the Android-based application (Android app) to assist disabled people gain control of their living area.This can also be used for security purpose.